



NORTHERN VERTEX  
MINING CORP

**Northern Vertex Resource Expansion Drilling Continues to Intersect Elevated Gold and Silver Mineralization at the Moss Mine, Arizona; Including 38.10 Meters Grading 1.43 g/t Gold and 19.22 g/t Silver**

**Tuesday, July 27<sup>th</sup>, 2021, Vancouver, B.C. - Northern Vertex Mining Corp. (TSX.V: NEE) (USOTC: NHVCF) (the “Company” or “Northern Vertex”)** a Western U.S. gold producer with district-scale exploration projects in the Walker Lane Trend, is pleased to report recent results from its multi-phase infill and resource expansion drilling program at the Moss Mine in NW Arizona. Specifically, results reported today are from drilling targeting the Moss and Ruth veins, as well as the intersection between these veins at depth below the Center and East pits.

**Northern Vertex President, Michael G. Allen commented** “Our exploration program has identified several near mine and even intra-mine opportunities which are being drilled. This tranche of drillholes highlights significant zones of high grade and disseminated mineralization being delineated in an undrilled portion of the Moss Mine between the Center and East Pit. Our examination of the data has identified another undrilled area between the Center Pit and West Pit which will be tested shortly. The drilling announced today and over the past several weeks supports our thesis that Moss could be a significant long-life precious metals mine. Resources in the West Pit appear to be limited by a lack of drilling, not geology, and additional drilling may yield further discoveries adding to the near-term opportunities for resource expansion.”

**Highlighted Results:**

- **38.10 meters grading 1.43 g/t gold and 19.22 g/t silver**, including 15.24 meters grading 2.90 g/t gold and 36.59 g/t silver in drillhole AR21-458R, targeting the Moss-Ruth intersection below the highwall between the current Center and East pits.
- **22.86 meters grading 1.48 g/t gold and 6.21 g/t silver**, including 4.57 meters grading 3.33 g/t gold and 2.23 g/t silver for the Ruth vein in drillhole AR20-373C.
- Broad intervals of gold and silver mineralization were obtained from several drillholes targeting the Moss-Ruth intersection, including:
  - **195.07 meters grading 0.40 g/t gold and 5.54 g/t silver**, including 15.24 meters grading 2.14 g/t gold and 20.45 g/t silver in drillhole AR21-452R.
  - **68.70 meters grading 0.45 g/t gold and 9.38 g/t silver**, including 9.20 meters grading 1.23 g/t gold and 30.66 g/t silver and 6.10 meters grading 1.43 g/t gold and 27.13 g/t silver in drillhole AR21-454C.
  - **67.06 meters grading 0.54 g/t gold and 8.13 g/t silver**, including 4.57 meters grading 1.22 g/t gold and 17.83 g/t silver and 18.29 meters grading 0.96 g/t gold and 17.59 g/t silver in drillhole AR21-459R.
- Drilling results continue to indicate the presence of significant gold and silver mineralization in the Ruth vein (see News Release dated 18 May 2021), with intersections presented here occurring within 70 meters of the south wall crest of the existing mining operations.

- Moss-Ruth intersection drilling results continue to indicate the presence of gold and silver mineralization below the Center and East pits; mineralization was intersected at elevations ranging from the current base of our deepest pit down to depths of almost 200 meters below this level. Similar mineralization intersection depths were noted in our News Release dated 10 June 2021.

**Northern Vertex Vice President of Exploration, Warwick S. Board commented,** “Results from the resource expansion drilling continue to increase confidence in our understanding of the geology and mineralization continuity of the Moss, Ruth, and associated stockwork vein system below and adjacent to the Moss Mine in support of mine expansion planning.”

### **Geology of the Moss-Ruth Intersection Area**

The Moss and Ruth veins are fault-hosted epithermal quartz-calcite veins with associated vein stockwork that are younger than and cut across the Moss quartz monzonite porphyry host rock in the vicinity of the mine. The Moss vein strikes slightly north of east and dips to the south. Locally, the Moss vein develops a more northerly strike. The Ruth vein is sub-parallel to, and dips towards, the Moss vein. The two veins intersect at depths of between 180 meters and 230 meters below the current surface.

### **Drill Results**

Assay results for eleven diamond core and eight Reverse Circulation (RC) drillholes drilled from five different locations are included in this news release (see Table 1).

The results from the current tranche of drilling indicate the presence of significant gold and silver mineralization in the Moss and Ruth veins, the hanging wall stockwork between these veins, and the intersection between these veins beneath the existing mining operations ([Figure 1 Moss-Ruth Intersection Drilling Area Location Map](#); [Figure 2 Drillhole Location Map](#); [Figure 3 Cross Section: Otto Load Site, Moss-Ruth Intersection Target Drilling Area](#); [Figure 4 Cross Section: Butt Dumps Site, Moss-Ruth Intersection Target Drilling Area](#)). The longest intersection of gold and silver mineralization was obtained from the highwall area between the Center and East pits, further attesting to the resource expansion potential in this part of the mine. Significant gold and silver mineralization was intersected in the Moss-Ruth intersection area beneath the Center and East pits at depths ranging from the current base of the Center pit (the deepest part of the current Moss Mine workings) down to depths of almost 200 meters below this level. Significant gold and silver mineralization was intersected in the Ruth vein less than 70 meters south of the crest of the Center and East pits, and in the Ruth-Moss intersection

**Table 1:** Results of Northern Vertex's 2020/2021 Resource Expansion Drilling targeting the Moss vein, Ruth vein, and Moss-Ruth Intersection beneath the Moss Mine

Location	Hole ID	Target	Az/Dip	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	AuEq (g/t)
Otto Load	AR20-390C and including	Ruth vein metallurgical	125/-65	2.80	4.27	1.46	2.54	38.80	3.06
				70.20	75.90	5.70	1.66	9.44	1.79
				72.27	74.37	2.10	3.68	21.42	3.97
	AR20-373C including	180/-80	45.72	68.58	22.86	1.48	6.21	1.56	
			64.01	68.58	4.57	3.33	2.23	3.36	
	AR21-452R including	Ruth-Moss Intersection	338/-77	152.40	347.47	195.07	0.42	5.54	0.49
196.60				211.84	15.24	2.14	20.45	2.42	
Crusher Office	AR20-385C and	Ruth vein metallurgical	140/-45	61.57	65.87	4.30	0.96	6.85	1.05
				76.81	79.86	3.05	1.29	1.45	1.31
	AR20-386C including		140/-6d5	61.23	75.59	14.36	1.04	5.69	1.12
				70.35	74.07	3.72	2.00	6.64	2.09
Butt Dumps	AR21-436C and including	Ruth-Moss Intersection	340/-45	145.08	160.32	15.24	0.26	4.61	0.32
				163.98	184.71	20.73	1.47	17.37	1.71
				171.75	175.56	3.81	5.03	42.72	5.60
	AR21-437C including		340/-54	152.49	203.61	51.11	0.40	4.75	0.46
				194.43	203.61	9.17	0.63	9.79	0.76
	AR21-438C		340/-61	170.69	185.32	14.63	0.27	7.03	0.36
	AR21-453C and and		340/-67	83.21	86.96	3.75	0.42	1.84	0.45
				125.88	135.03	9.14	0.48	2.28	0.51
				224.94	234.09	9.14	0.33	6.87	0.42
	AR21-454C including including		340/-73	189.77	258.47	68.70	0.45	9.38	0.57
				218.63	227.84	9.20	1.23	30.66	1.64
				241.71	247.80	6.10	1.43	27.13	1.79
	AR21-455C including		025/-45	133.72	169.77	36.06	0.46	8.37	0.58
				155.14	165.14	10.00	0.95	12.21	1.12
	AR21-477R including including		330/-45	155.45	207.26	51.82	0.62	12.74	0.79
				155.45	163.07	7.62	1.01	16.36	1.23
				198.12	204.22	6.10	1.61	51.50	2.30
				160.02	220.98	60.96	0.78	35.67	1.26
				201.17	216.41	15.24	1.99	123.40	3.63
				240.79	243.84	3.05	0.58	1.25	0.60
Otto Load 2	AR21-458R and and including	Ruth-Moss Intersection	343/-62	167.64	170.69	3.05	6.11	33.35	6.56
				184.40	201.17	16.76	0.26	6.57	0.35
				225.55	263.65	38.10	1.43	19.22	1.68
				243.84	259.08	15.24	2.90	36.59	3.39
	AR21-459R		161.54	228.60	67.06	0.54	8.13	0.65	

	including including		343/-50	<b>163.07</b>	<b>167.64</b>	<b>4.57</b>	<b>1.22</b>	<b>17.83</b>	<b>1.46</b>
				193.55	211.84	18.29	0.96	17.59	1.19
<b>Fuel Tanks</b>	AR21-432C and and	Ruth-Moss Intersection	017/-63	182.12	185.17	3.05	0.53	8.05	0.63
				302.48	305.65	3.17	0.33	1.15	0.34
				316.38	324.00	7.62	0.27	11.84	0.43
	AR21-465R and and Including		355/-45	1.52	12.19	10.67	0.26	2.31	0.29
				196.60	205.74	9.14	0.28	6.44	0.37
				237.74	256.03	18.29	0.39	4.71	0.46
				245.36	254.51	9.14	0.62	6.32	0.71
	AR21-466R and and		355/-52	219.46	233.17	13.72	0.26	5.78	0.33
				257.56	266.70	9.14	0.27	5.43	0.34
				278.89	281.94	3.05	0.43	1.70	0.45
	AR21-471R and and		004/-60	<b>115.82</b>	<b>129.54</b>	<b>13.72</b>	<b>1.59</b>	<b>26.01</b>	<b>1.94</b>
				211.84	216.41	4.57	0.33	1.23	0.35
				294.13	300.23	6.10	0.26	2.48	0.30

**Note:** Drillhole suffix 'C' denotes diamond core drillhole; 'R' denotes RC drillhole. True thickness ranges between approximately 50% and 85% of reported interval thickness for north-inclined drillholes targeting the Moss vein and Moss-Ruth intersection; between approximately 60% and 75% for south-inclined drillholes targeting the Ruth vein, and between 20% and 30% for drillholes inclined to the north where drilling intersected the Ruth vein while targeting the Moss and Ruth-Moss intersection. Assay data are uncapped.  $AuEq = Au + Ag/75$ . Core drilling was conducted by Timberline Drilling Inc., RC drilling was conducted by Boart Longyear. RC samples, collected every 1.52 m, were transported in sealed bags to Skyline Assayers and Laboratories (Skyline) in Tucson, AZ. Field control QAQC samples, including standards, blanks, and field duplicates, were inserted into the sample stream at a rate of three field control samples approximately every 20 regular samples. Gold was determined by fire-assay fusion of a 30 g sub-samples with atomic absorption spectroscopy (method FA-01). Overlimit samples of gold were assayed by gravimetric means (FA-02). Skyline Laboratories is accredited in accordance with ISO/IEC 17025:2017 and ISO 9001:2015.

## Qualified Person

Dr. Warwick Board, P.Geo., Vice President Exploration of Northern Vertex, is the Qualified Person as defined by NI 43-101 responsible for the Moss Regional Exploration Project and has reviewed and approved the scientific and technical information in this news release related thereto.

## About Northern Vertex Mining Corp.

Northern Vertex offers investors a rare combination of cash flow, production, top-tier management, and exceptional exploration potential within two projects on the Walker Lane Gold Trend of western Nevada and Arizona. Management is executing a clear strategy that expands production and resources at the Moss Mine in Arizona while aggressively exploring the Hercules Project in Nevada.

## ON BEHALF OF THE BOARD OF NORTHERN VERTEX MINING CORP

"Michael G. Allen"  
President

## CORPORATE INQUIRIES:

Michael G. Allen, President  
Company Website: [www.northernvertex.com](http://www.northernvertex.com)  
+1 (855) 633-8798 Toll Free  
+1 (604) 601-3656 Office  
Email: [mike@northernvertex.com](mailto:mike@northernvertex.com)

TSXV: NEE | USOTC: NHVCF | Frankfurt: 54N | ISIN: CA6660061012 | WKN: A1JUA0

Neither the TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

### **Cautionary Statement Regarding Forward-Looking Information**

All statements, trend analysis and other information contained in this press release about anticipated future events or results constitute forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as “seek”, “anticipate”, “believe”, “plan”, “estimate”, “expect” and “intend” and statements that an event or result “may”, “will”, “should”, “could” or “might” occur or be achieved and other similar expressions. All statements, other than statements of historical fact, included herein, are forward-looking statements. Although Northern Vertex believes that the expectations reflected in such forward-looking statements and/or information are reasonable, undue reliance should not be placed on forward-looking statements since Northern Vertex can give no assurance that such expectations will prove to be correct. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements, including the risks, uncertainties and other factors identified in Northern Vertex’s periodic filings with Canadian securities regulators. Forward-looking statements are subject to business and economic risks and uncertainties and other factors that could cause actual results of operations to differ materially from those contained in the forward-looking statements. Important factors that could cause actual results to differ materially from Northern Vertex’s expectations include risks associated with the business of Northern Vertex; risks related to reliance on technical information provided by Northern Vertex; risks related to exploration and potential development of Northern Vertex’s projects; business and economic conditions in the mining industry generally; fluctuations in commodity prices and currency exchange rates; uncertainties relating to interpretation of drill results and the geology, continuity and grade of mineral deposits; the need for cooperation of government agencies in the exploration and development of properties and the issuance of required permits; the need to obtain additional financing to develop properties and uncertainty as to the availability and terms of future financing; the possibility of delay in exploration or development programs and uncertainty of meeting anticipated program milestones; uncertainty as to timely availability of permits and other governmental approvals; and other risk factors as detailed from time to time and additional risks identified in Northern Vertex’s filings with Canadian securities regulators on SEDAR (available at [www.sedar.com](http://www.sedar.com)). Forward-looking statements are based on estimates and opinions of management at the date the statements are made. Northern Vertex does not undertake any obligation to update forward-looking statements except as required by applicable securities laws. Investors should not place undue reliance on forward-looking statements.